

1 I Claim

2 1. An amusement device comprising an image carrying substrate with an
3 image surface having a front end and a rear end and means for providing a
4 reflecting surface extending transversely from the rear end, the image surface
5 being marked with a first set of image fragments and a second set of image
6 fragments for forming, respectively, first and second composite image
7 components, image fragments of the second set being both differently shaped or
8 configured and laterally inverted to image fragments of the first set and arranged
9 alternately along the image surface to image fragments of the first set, selection
10 means on the substrate for selectively exposing the image fragments of the first
11 set to the front, away from the reflecting surface, and for selectively exposing the
12 image fragments of the second set to the rear, for, simultaneous reflection in the
13 reflecting surface, so that the image fragments of the first set and the image
14 fragments of the second set combine to form first and second image components,
15 respectively, seen by viewing the first set of image fragments directly from the
16 front and by viewing, simultaneously, the second set of image fragments by
17 reflection in the transversely extending reflecting surface so that the first and
18 second image components combine to provide a continuous composite image
19 which cannot be readily predicted by a spectator casually viewing the image
20 surface.

21 2. An amusement device according to claim 1 wherein the image
22 fragments are formed as strips extending across the image surface parallel to the
23 reflecting surface.

24 3. An amusement device according to claim 2 wherein the selection means
25 comprises corrugations on the image surface wherein each corrugation extends
26 parallel to the reflecting surface and has a triangular cross-section providing the
27 image surface with first and second upwardly inclined facets alternating as they

1 extend away from the reflecting surface and carrying, respectively, the first and
2 second sets of image fragments of the first and second image components,
3 facing forward toward a spectator and rearward for reflection, respectively.

4 4. An amusement device according to claim 2 wherein the image surface is
5 formed by providing a first picture identical to the composite image and a second
6 picture which is a mirror image thereof, dividing both pictures horizontally at
7 identical locations into upper and lower contiguous portions and dividing the lower
8 portion of the first picture into a series of individual horizontal strips corresponding
9 to image fragments of the first set forming the precursor of the first image
10 component, inverting the second picture and dividing the upper portion of the
11 second picture into a series of individual horizontal strips corresponding to image
12 fragments of the second set to form the precursor of the second image
13 component, and interlacing the individual strips of the first set with the individual
14 strips of the second set so that they are positioned alternately.

15 5. A room having a wall extending perpendicularly in front of a mirror, the
16 wall having a surface carrying a first set of image fragments and a second set of
17 image fragments for forming, respectively, first and second composite image
18 components, image fragments of the second set being both differently shaped or
19 configured and laterally inverted to image fragments of the first set and arranged
20 alternately along the wall surface to image fragments of the first set, selection
21 means on the wall surface for selectively exposing the image fragments of the first
22 set away from the mirror and for selectively exposing the image fragments of the
23 second set for reflection in the mirror so that the image fragments of the first set
24 and the image fragments of the second set combine to form first and second
25 image components, respectively, seen by a person in front of the mirror viewing
26 the first set of image fragments directly and by viewing, simultaneously, the
27 second set of image fragments by reflection in the mirror so that the first and
28 second image components combine to provide a continuous composite image

1 which cannot be readily predicted by the person casually viewing the image
2 fragments on the wall surface providing the impression that the room is of
3 increased size extending beyond the mirror plane.

4 6. An amusement device according to claim 5 wherein the image
5 fragments are formed as strips extending across the wall surface parallel to the
6 mirror.

7 7. An amusement device according to claim 6 wherein the selection means
8 comprises corrugations on the wall surface wherein each corrugation extends
9 parallel to the reflecting surface and has a triangular cross-section providing the
10 wall surface with first and second outwardly inclined facets alternating as they
11 extend away from the mirror and carrying, respectively, the first and second sets
12 of image fragments of the first and second image components, facing away from
13 the mirror and for reflection in the mirror, respectively.

14 8. An amusement device according to claim 6 wherein the wall surface is
15 formed by providing a first picture identical to the composite image and a second
16 picture which is a mirror image thereof, dividing both pictures horizontally at
17 identical locations into upper and lower contiguous portions and dividing the lower
18 portion of the first picture into a series of individual horizontal strips corresponding
19 to image fragments of the first set forming the precursor of the first image
20 component, inverting the second picture and dividing the upper portion of the
21 second picture into a series of individual horizontal strips corresponding to image
22 fragments of the second set to form the precursor of the second image
23 component, and interlacing the individual strips of the first set with the individual
24 strips of the second set so that they are positioned alternately.

25 9. An amusement device according to claim 6 wherein the wall surface is
26 formed by wall tiles.

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2 10. A room having a wall extending perpendicularly in front of a mirror, the
3 wall having a surface carrying a first set of image fragments and a second set of
4 image fragments for forming, respectively, first and second images,
5 image fragments of the second set being both differently shaped or configured
6 and laterally inverted to image fragments of the first set and arranged alternately
7 along the wall surface to image fragments of the first set, selection means on the
8 wall surface for selectively exposing the image fragments of the first set away from
9 the mirror for viewing as the first image only directly by a person in front of the
10 mirror and for selectively exposing the image fragments of the second set for
11 simultaneous viewing by reflection in the mirror as the second image so that a
12 person in the room sees that the second image is aligned with the first image but
13 different from a mirror reflection of the first image providing the impression that the
14 second image arises from an object behind the mirror and thereby that the room is
15 of increased size extending beyond the mirror plane.
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